ROUTING AND TRANSMITTAL SLIP Date 1-3-84

TO: (Name, office symbol, room number, building, Agency/Post)	Initials	Date
1. C/ISG/ODP		4 Jan
2. EO/ODP 6 JAN 1984		
3. DD/ODP		10 Jan
4. D/ODP		19 JAN 198
5. C/MS		

Action		File		Note and Return	
Approval		For Clearance		Per Conversation	
As Requested		For Correction		Prepare Reply	
Circulate		For Your Information		See Me	
Comment		Investigate		Signature	
Coordination		Justify			

REMARKS

Attached, FYI, are minutes from the 14 December AI Working Group. It includes a first cut at an Agency-wide AI requirements list. We will be refining this in the coming weeks.

25X1

25X1

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)	Room No.—Bldg.
C/IAD/ISG/ODP	402 Ames

25X1

5041-102

OPTIONAL FORM 41 (Rev. 7-76)
Prescribed by GSA
FPMR (41 CFR) 101-11.206

☆ GPO : 1981 O - 361-529 (148)

SECRET

Information Systems Board
Artificial Intelligence Applications
Working Group

MEETING MINUTES

4

DATE/PLACE:

14 December 1983
CIA Headquarters

ATTENDEES:

[redacted] IMS
ODP
ORD
FBIS

[redacted] NPIC
ORD
NPIC
, ODE

25X1

NEXT MEETING:

The next meeting of the AIAWG will be on Thursday, 5 January 1984, at 1300 in Room 7D32 Headquarters. At that session we will continue our analysis of AI Requirements.

BUSINESS:

We had two new guests at this meeting: [redacted] DD/ORD, 25X1
who was representing [redacted] NPIC/R&AD, who 25X1
is taking on more AI responsibilities for [redacted] 25X1

The purpose of this meeting was to begin to identify AI requirements (or "opportunities") throughout the Agency. These requirements will be compiled into an interim report to ISB which is currently targeted for 15 March 1984. We discussed a first draft outline of the report. A revised version of the outline is attached.

Each member brought with him/her an informal list of possible AI applications which their respective offices might find useful. As we went around the room discussing these ideas it was interesting to see common needs appearing in several offices, but each couched in the language and terminology of their respective application area. Copies of these lists are attached. Of course, this is just a first cut and by no means should be construed as either complete or official.

[redacted] 25X1

SECRET

You are encouraged to read over these lists and ponder how we might organize or extend them. In general, it seems we have identified requirements in the following areas:

(1) Expert Systems

- Intelligence Retrieval, Analysis, and Reporting
- Foreign Broadcast Selection
- Commo Network Planning, Monitoring, and Maintenance
- Consultation, Training, Analysis, and Prediction
- Image Interpretation and Collateral Support
- Collection Tasking and Management

(2) Natural Language

- Interface to Data Bases
- Text Retrieval
- Document Input
- Machine Translation
- Message Recognition
- Message Dissemination
- Speech Understanding
- Speaker Recognition
- Language Identification

(3) Image Understanding

- Optical Character Recognition
- Broad Area Search
- Change Detection
- Identifying, Counting, and Classifying Objects

(4) Intelligent Data Bases

- Inferential Reasoning with Data
- Data Resource Navigation Aids
- Data Base Roamer/Alerter

(5) Signals Interpretation

- Real-time TEMPEST Monitoring
- Signal Sorting and Classification
- Channel Activity Identification

(6) AI Tools and Environment

- Improvements to Information System Development Process
- Improved User Interfaces (including to JCL)
- Voice Input to Machines
- AI System Development Aids

- Executive Decision Aids
- Administrative System Support (Budget, Travel, Personnel)

Having identified these general requirements, it would appear that we have additional work to do in becoming more specific. Which expert topic areas, which signals, which networks, which messages, which data bases, which systems, which imagery, etc.? Also, who are the experts, who is willing to go first, how long will it take, etc.? Then, too, we should consider long- vs. short-range implementations: which technology is ready and which needs more research? We might also want to characterize applications by their size (e.g., labor-hours spent doing the job already), degree of criticality (i.e., how important is the need for an improved solution), or relationship to ongoing project efforts [redacted] 25X1
[redacted] In short, how do we take these ideas on general 25X1
opportunities and convert them into real projects?

[redacted] 25X1

Chairman